



# Nutanix NCP-MCI

**Nutanix Multicloud Infrastructure Certification  
Questions & Answers**

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**NCP-MCI**

**[Nutanix Certified Professional - Multicloud Infrastructure \(NCP-MCI\)](#)**  
75 Questions Exam – 3000/1000-6000 Cut Score – Duration of 120 minutes



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## Discover More about the NCP-MCI Certification

Are you interested in passing the Nutanix NCP-MCI exam? First discover, who benefits from the NCP-MCI certification. The NCP-MCI is suitable for a candidate if he wants to learn about Professional Level. Passing the NCP-MCI exam earns you the Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI) title.

While preparing for the NCP-MCI exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The NCP-MCI PDF contains some of the most valuable preparation tips and the details and instant access to useful [NCP-MCI study materials just at one click](#).

## Nutanix NCP-MCI Multicloud Infrastructure Certification Details:

<b>Exam Name</b>	Nutanix Certified Professional - Multicloud Infrastructure
<b>Exam Code</b>	NCP-MCI
<b>Exam Price</b>	\$199 USD
<b>Duration</b>	120 minutes
<b>Number of Questions</b>	75
<b>Passing Score</b>	3000/1000-6000
<b>Recommended Training / Books</b>	<a href="#">Nutanix Enterprise Cloud Administration</a> <a href="#">NCP-MCI Exam Prep Course</a>
<b>Schedule Exam</b>	<a href="#">Nutanix</a>
<b>Sample Questions</b>	<a href="#">Nutanix NCP-MCI Sample Questions</a>
<b>Recommended Practice</b>	<a href="#">Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI) Practice Test</a>

## NCP-MCI Syllabus:

Section	Objectives
<b>Manage Cluster, Nodes, and Features</b>	<ul style="list-style-type: none"> <li>- Perform initial cluster configuration tasks               <ul style="list-style-type: none"> <li>• Run NCC Health Checks</li> <li>• Determine the use for an external IP address</li> <li>• Differentiate between an external IP address and a data services IP</li> <li>• Install licenses in standard and dark data centers</li> <li>• Determine how to create a cluster summary file</li> </ul> </li> </ul>

Section	Objectives
	<ul style="list-style-type: none"> <li>- Manage supporting infrastructure tasks               <ul style="list-style-type: none"> <li>• Configure NTP, SMTP, and DNS services</li> <li>• Configure directory services, such as Active Directory and LDAP</li> <li>• Install SSL certificates</li> <li>• Configure authentication and password management</li> </ul> </li> <li>- Upgrade the platform using Life Cycle Manager (LCM)               <ul style="list-style-type: none"> <li>• Perform inventory in standard and dark data centers</li> <li>• Determine the update order</li> <li>• Differentiate software and firmware update processes</li> </ul> </li> <li>- Maintain a Nutanix cluster               <ul style="list-style-type: none"> <li>• Upgrade cluster licenses</li> <li>• Perform cluster maintenance tasks:                   <ul style="list-style-type: none"> <li>- Start/Stop a cluster</li> <li>- Validate cluster status</li> <li>- Add/Remove a node</li> <li>- Manage maintenance mode</li> <li>- Secure a cluster</li> <li>- Perform a cluster health check using the GUI and CLI</li> <li>- Configure redundancy and replication factors</li> <li>- Differentiate the fault tolerance levels regarding block and rack awareness</li> <li>- Summarize the node boot process</li> </ul> </li> </ul> </li> <li>- Manage user roles and permissions               <ul style="list-style-type: none"> <li>• Configure Role-Based Access Control (RBAC) in Prism Central and Prism Element</li> <li>• Create local users</li> </ul> </li> </ul>
<b>Manage Cluster Storage</b>	<ul style="list-style-type: none"> <li>- Describe Nutanix storage concepts               <ul style="list-style-type: none"> <li>• Recall storage architectures</li> <li>• Create and modify storage containers</li> <li>• Identify storage resiliency options</li> <li>• Describe replication factor options</li> <li>• Describe volume groups</li> <li>• Explain storage policies on containers</li> <li>• Describe data encryption features and requirements</li> <li>• Describe data path redundancy</li> </ul> </li> <li>- Configure Nutanix storage optimization features               <ul style="list-style-type: none"> <li>• Determine when to use advanced storage optimization settings:</li> </ul> </li> </ul>

Section	Objectives
	<ul style="list-style-type: none"> <li>- Compression</li> <li>- Deduplication</li> <li>- Erasure Coding</li> <li>• Differentiate post-process compression and inline compression</li> <li>• Evaluate the number of nodes required for erasure coding at various replication factor levels</li> <li>• Determine storage container sizing</li> </ul>
<b>Configure Cluster Networking and Network Security</b>	<ul style="list-style-type: none"> <li>- Deploy and configure networking               <ul style="list-style-type: none"> <li>• Create managed and unmanaged networks</li> <li>• Create and configure networking bridges</li> <li>• Determine proper networking configuration options, such as LLDP, CDP, SNMP, etc.</li> <li>• Determine proper switch properties, such as the MTU and packet transfer rate</li> <li>• Determine VM network traffic statistics</li> </ul> </li> <li>- Describe Nutanix networking concepts               <ul style="list-style-type: none"> <li>• Segment management networks</li> <li>• Explain extended subnets in overlay networks</li> <li>• Describe how internal networking facilitates I/O performance</li> <li>• Describe load balancing modes</li> </ul> </li> <li>- Given a scenario, troubleshoot basic cluster networking               <ul style="list-style-type: none"> <li>• Use EthTool to gather information</li> <li>• Manage host-side networking</li> <li>• Investigate switch properties</li> <li>• Manage OVS commands to display switch status</li> <li>• Investigate Application-specific performance issues</li> </ul> </li> </ul>
<b>Analyze and Remediate Performance Issues</b>	<ul style="list-style-type: none"> <li>- Determine how to use reporting tools               <ul style="list-style-type: none"> <li>• Customize widgets</li> <li>• Build dashboards</li> <li>• Generate output</li> <li>• Locate data</li> <li>• Determine where storage stats are located</li> <li>• Create customized reports</li> </ul> </li> <li>- Given a scenario, determine which metrics and entities are relevant</li> </ul>

Section	Objectives
	<ul style="list-style-type: none"> <li>• Determine which types of charts to use for given scenarios</li> <li>• Determine which node is generating high resource consumption</li> <li>• Determine which values to analyze, such as IOPS, latency, throughput, etc.</li> </ul> <p>- Given a scenario, interpret anomaly detection events</p> <ul style="list-style-type: none"> <li>• Determine how anomaly detection operates</li> <li>• Compare anomaly detection to a manual base line</li> <li>• Determine behavioral anomaly events</li> </ul> <p>- Determine how to resolve a performance issue</p> <ul style="list-style-type: none"> <li>• Add RAM or CPU to a VM</li> <li>• Add a node to a cluster</li> <li>• Review storage optimization features</li> <li>• Recognize Data Protection performance issues</li> <li>• Recognize if an issue is external or internal</li> </ul> <p>- Identify VM inefficiencies</p> <ul style="list-style-type: none"> <li>• Identify bully VMs</li> <li>• Identify over-provisioned and under-provisioned VMs</li> <li>• Identify inactive VMs</li> </ul>
<b>Configure, Analyze, and Remediate Alerts and Events</b>	<p>- Configure Remote Syslog Server settings</p> <ul style="list-style-type: none"> <li>• Enable Remote Syslog Server settings in the GUI and CLI</li> <li>• Configure Syslog options in the GUI and CLI</li> <li>• Determine use cases for enabling Remote Syslog</li> </ul> <p>- Identify common Nutanix services</p> <ul style="list-style-type: none"> <li>• Describe the role of critical services:           <ul style="list-style-type: none"> <li>- Cassandra</li> <li>- Curator</li> <li>- Genesis</li> <li>- Pithos</li> <li>- Prism</li> <li>- Stargate</li> <li>- ZooKeeper</li> </ul> </li> <li>• Collect logs for critical services in the GUI and CLI</li> </ul> <p>- Configure Nutanix alert policies</p> <ul style="list-style-type: none"> <li>• Configure alert emails</li> <li>• Stop alerts during a maintenance window</li> </ul>

Section	Objectives
<b>Manage VM Deployment and Configuration</b>	<ul style="list-style-type: none"> <li>• Manage alert policies</li> </ul>
	<ul style="list-style-type: none"> <li>- Create, modify, and optimize VMs and their components                             <ul style="list-style-type: none"> <li>• Create VMs</li> <li>• Customize VMs</li> <li>• Configure hot plug devices</li> <li>• Configure virtual hardware settings</li> </ul> </li> <li>- Manage the image service                             <ul style="list-style-type: none"> <li>• Utilize templates to deploy VMs</li> <li>• Upload images</li> <li>• Configure image placement policies</li> </ul> </li> <li>- Describe VM storage policies                             <ul style="list-style-type: none"> <li>• Configure storage policy options</li> <li>• Apply a storage policy to a VM</li> </ul> </li> <li>- Manage VM placement options                             <ul style="list-style-type: none"> <li>• Describe GPU VMs</li> <li>• Describe VM live migration</li> <li>• Describe Affinity policies</li> <li>• Differentiate Affinity and Anti-affinity policies</li> <li>• Explain High Availability</li> <li>• Explain Capacity Reservation</li> </ul> </li> </ul>

## Broaden Your Knowledge with Nutanix NCP-MCI Sample Questions:

### Question: 1

A user running a Computer Aided Design (CAD) application is complaining about slow response time within the VM, particular when moving windows or rendering images. Which VM metric will guide the administrator toward diagnosing the problem?

- a) Storage Controller Latency
- b) GPU Usage
- c) Swap in Rate
- d) Hypervisor Memory Usage (%)

**Answer: b**

**Question: 2**

When a configuring a syslog server in Prism Central, what two pieces information are required?

(Choose two.)

- a) IP address/port
- b) Encryption secret
- c) HTTPS URL
- d) Transport protocol

**Answer: a, d**

**Question: 3**

On a Nutanix cluster, what does Network Segmentation refer to?

- a) A distributed firewall for security VM to VM traffic.
- b) Physically separating management traffic from guest VM traffic.
- c) Isolating intra-cluster traffic from guest VM traffic.
- d) Isolating management traffic from storage replication traffic.

**Answer: c**

**Question: 4**

Which three cluster operations require an administrator to reclaim licenses?

(Choose three)

- a) Destroy a cluster.
- b) Upgrade a cluster
- c) Migrate a cluster
- d) Remove a Node from a cluster
- e) Move Nodes between clusters.

**Answer: a, d, e**

**Question: 5**

Where can an administrator change a CVM password?

- a) KMS Server Terminal
- b) CVM setting in Prism Element
- c) CVM setting in Prism Central
- d) Prism CVM VM Console

**Answer: d**



**Question: 6**

In which two scenarios is an automated live migration likely to occur?

(Choose two)

- a) AOS upgrade
- b) Hypervisor upgrade
- c) Cluster resource hotspot
- d) Network upgrade

**Answer: b, c**

**Question: 7**

Administrator is creating a Windows 10 VM that will be used for a virtual desktop template. After creating the VM and booting to the ISO, the administrator is unable to install Windows and receives the following error. We couldn't find any drives. To get a storage driver, click Load dr1ver.

What steps does the administrator need to take to install the OS?

- a) Load the Nutanix VirtIO Serial Bus Driver.
- b) Load the VirtIO Network Ethernet Adapter.
- c) Load the Nutanix Virtual Balloon Driver.
- d) Load the Virtual SCSI pass-through controller.

**Answer: d**

**Question: 8**

An administrator manages an AHV cluster that is dedicated to a dev/test environment. The administrator receiving complaints from users that they are unable to create new VMs on the cluster.

After the reviewing the cluster, the administrator finds that the memory resources are almost fully utilized, with many VMs over-provisioned on memory.

What option is the most efficient resolution to enable additional VMs to be created?

- a) Enable Memory Overcommit on the over-provisioned VMs.
- b) Enable Memory HA on the over-provisioned VMs.
- c) Upgrade the nodes with additional memory DIMMs.
- d) Disable HA Reservation on the cluster.

**Answer: a**

**Question: 9**

An administrator needs to bring down a host in a Nutanix Cluster for maintenance reasons. The administrator puts the host in maintenance mode. What should the administrator do to perform an orderly shutdown of the CVM?

- a) Enter Fever off Server - immediate from the IPMI console.
- b) Execute the `cvm_shutdown -P new` command from the CV
- c) Enter Fever off Server-orderly Shutdown from the IPMI console.
- d) Execute the `cvm_shutdown -P now` command from the host.

**Answer: b**

**Question: 10**

During an AHV upgrade, an administrator finds that a critical VM was powered off rather than migration to another host. Which scenario explains this behavior?

- a) The VM OS hung during migration.
- b) NO AHV hosts were able to be scheduled.
- c) The VM was marked as an agent VM.
- d) The VM was on the same host as the acropolis leader.

**Answer: c**

## Avail the Study Guide to Pass Nutanix NCP-MCI Multicloud Infrastructure Exam:

- Find out about the NCP-MCI syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the [NCP-MCI syllabus](#), it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the NCP-MCI training. Joining the Nutanix provided training for NCP-MCI exam

helps a candidate to strengthen his practical knowledge base from the certification.

- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the [NCP-MCI sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. NCP-MCI practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

## Career Benefits:

- Passing the NCP-MCI exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

### Here Is the Trusted Practice Test for the NCP-MCI Certification

VMExam.Com is here with all the necessary details regarding the NCP-MCI exam. We provide authentic practice tests for the NCP-MCI exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on VMExam.Com for rigorous, unlimited two-month attempts on the [NCP-MCI practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI).

**Start Online practice of NCP-MCI Exam by visiting URL**

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